Appendix

Marked-up version of Amended Claims

- 1. A T helper cell epitope selected from the group consisting of SED ID NOS: 6-22, 105, 123, 124, and 31-35.
- 2. A T helper cell epitope according to Claim 1 for preparing a pepide immunogen represented by the formula

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$$(A)_n$$
- $(Th)_m$ - $(B)_n$ - $(Target antigenic site)-X$

O

$$(A)_{n}$$
-[-] $(B)_{o}(Th)_{m}$ - $(B)_{o}$ -(Target antigenic site)-X

QΓ

or

wherein:

A is an amino acid or a general immunostimulatory sequence, where n is more than one, the individual A's may be the same or different,

B is selected from the group consisting of amino acids, -HCH(X)CH₂SCH₂CO-, -NHCH(X)CH₂SCH₂CO(ε-N)Lys-, -NHCH(X)CH₂S-succinimidyI(ε-N)Lys-, and NHCH(X)CH₂S-(succinimidyI)-:

Th is an artificial helper T cell epitope selected from the group consisting of SEQ ID NOS:6 22, 105, 31-35 [or] and an analog thereof;

"Target antigenic site" is selected from the group consisting of a B cell cpitope, a peptide hapten, and a immunologically reactive analog thereof;

X is amino acid α-COOH or CONH₂,

n is from 1 to about 10;

m is from 1 to about 4; and

o is from 0 to about 10.

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- 9. A peptide immunogen according to Claim 7 selected from the gipup consisting of SEQ ID NOS: 104, and 105.
- A peptide immunogen according to Claim 10 selected from the group sonsisting 11. of SEQ ID NOs:110 - 118, and 119.
- A peptide immunogen according to Claim 12 selected form the group consisting 13. of SEQ ID NOs:126 - 129, and 136 - 151.
- A peptide immunogen according to Claim 13 selected form the group consisting 14. of SEQ ID NOS:148 - 150, and 151.